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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/817,437	03/26/2001	Stephen J. Todd	JW-EMC-007	9135
7590 11/18/2004			EXAMINER	
Robert L. Dulaney			RAMPURIA, SATISH	
EMC Corporation	on			
35 PARKWOOD DRIVE			ART UNIT	PAPER NUMBER
HOPKINTON, MA 01748			2124	
-			DATE MAILED: 11/18/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.



	Application No.	Applicant(s)					
	09/817,437	TODD ET AL.	GF.				
Office Action Summary	Examiner	Art Unit					
	Satish S. Rampuria	2124					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely the mailing date of this co D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 02 Au	ugust 2004 (Amendment).						
2a)⊠ This action is <b>FINAL</b> . 2b)□ This	action is non-final.						
·	) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) Claim(s) 1-89 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-89 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration.						
Application Papers							
9) The specification is objected to by the Examine		_	,				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the			:D 1 121/d)				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex							
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority document</li> <li>2. Certified copies of the priority document</li> <li>3. Copies of the certified copies of the priority document</li> <li>* See the attached detailed Office action for a list</li> </ul>	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National	Stage				
Attachment(s)		(DTO 450)					
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date</li> </ol>	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate	D-152)				

## Response to Amendment

- 1. This action is in response to the amendment received on 08/02/2004.
- 2. The objection to specification (hyperlink) is withdrawn in view of applicant's amendment.
- 3. The objection to drawing is withdrawn in view of applicant's amendment.
- 4. The rejections under 35 U.S.C. 112 to claims 11, 23, 37, 51, 52, 74, and 88 are withdrawn in view of applicant's amendment.
- 5. Claims 1, 12, 24, 27, 34, 36, 37, 39, 45, 46, 48, 49, 52, 59, 63, 68, 70, 75, and 81 are amended.

## Claim Rejections - 35 USC § 112, second paragraph

6. Claims 1, 4, 12, 15, 49, 52, 59, 63, 68, 70, and 75 are insufficient antecedent basis in the claim.

Clarification and/or correction are required.

Claims 1, 4, 12, 15, and 52 recites the limitation "said second architecture" on page 5, lines 4 and 14 of claim 1, page6, line 10 of claim 4, page 8, lines 3 and 12 of claim 12, page9, line 10 of claim 15, page 18, lines 18 and 20 of claim 52.

Claim 49 recites the limitation "said preferred non-legacy architecture" on page 17, line 13.

Claim 59 recites the limitation "said legacy architecture" on page 20, lines 8 and 10.

Claims 63, 68, and 70 recites the limitation "said computer architecture" on page 21, lines 6 and 8 of claim 63, page 22, lines 4, and 6 of claim 68, page 23, lines 4 and 5 of claim 70.

Claim 75 recites the limitation "said architecture" on page 24, lines 8 and 10.

Application/Control Number: 09/817,437 Page 3

Art Unit: 2124

The rejection of the base claim is necessarily incorporated into the dependent claims.

# Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

8. Claims 1-62 and 75-89 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 6,086,622 to Abe et al., hereinafter called Abe, in view of admitted prior art and further in view of US Patent No. 5,295,256 to Bapat hereinafter called Bapat.

#### Per claims 1, 4, 5, 6, and 9:

#### Abe discloses:

- A computer system employing management software written in a first computer language
  compatible with first software architecture and not compatible with second software
  architecture (col. 1, lines 9-14 "a method and an apparatus for converting a program for
  a computer of a first architecture to a machine program adapted for a computer of a
  second architecture").
- means for converting said called public functions and/or data attributes (col. 1, lines 62-63 "convert a program (functions, attributes, data etc.) for a computer of a first architecture") to representations of said called public functions and/or data attributes formed in a different computer language compatible with said second architecture (col.

1, lines 63-64 "to a program (functions, attributes, data etc.) for a computer of a second architecture").

Abe does not explicitly disclose a schema formed within said first architecture; header files contained within said schema, said header files being represented in said first language and capable of being utilized by said management software.

However, admitted prior art discloses in an analogous computer system a schema formed within said first architecture (Applicant's specification, page 4, lines 2-3 "These architectures are combinations of software such as schemas, languages and protocols"); header files contained within said schema, said header files being represented in said first language and capable of being utilized by said management software (Applicant's specification, page 4, lines 7-8 "And on top of that computer language is a schema (header-related software...) such as that derived from or implemented in RAID++. RAID++ is an object-oriented representation of a CLARiiON®").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the method of including the header file within the schema of an architecture as taught admitted prior art in corresponding to method of converting a program of a first architecture to a second architecture as taught by Abe. The modification would be obvious because of one of ordinary skill in the art would be motivated to include prior art header files within schema of an architecture to provide less arduous code generation to improve the communication within the corporate as suggested in admitted prior art (Applicant's specification, pages 2 and 3, lines 23-25 and 1-20, respectively).

Neither Abe nor admitted prior art explicitly disclose means for manipulating said header files to locate public functions and/or data attributes of said header files; means, responsive to operation of said manipulating means, for emitting code that calls said public functions and/or data attributes in said first language to obtain called public functions and/or data attributes.

However, Bapat discloses in an analogous computer system means for manipulating (col. 3, lines 53-54 "manipulating a representation of the object class... stored... table schema") said header files (col. 9, lines 1-2 "C++ source and header files are opened") to locate public functions and/or data attributes of said header files (col. 6, lines 28-29 "it is desirable to be able to provide... storage of the attributes of these objects managed by the network management system"); means, responsive to operation of said manipulating means(col. 3, lines 53-54 "manipulating a representation of the object class... stored... table schema"), for emitting code that calls said public functions and/or data attributes in said first language to obtain called public functions and/or data attributes (col. 13, lines 15-16 "Control... passes to... attribute insertion routine is called of each attribute").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the method of manipulating header files as taught by Bapat into the method of converting a program of a first architecture to a second architecture as taught by the combination system of Abe and admitted prior art. The modification would be obvious because of one of ordinary skill in the art would be manipulate the header files for mapping the within the schema of a database as suggested by Bapat (col. 2, lines 6-17).

Art Unit: 2124

The limitation regarding the software architecture in the preamble is not given any

Page 6

patentable weight because the body of the claim does not recited any limitation related to

software architecture.

Per claim 2:

Neither Abe nor Bapat explicitly disclose forwarding said representations to desired destinations

within and beyond said system.

However, admitted prior art discloses in an analogous computer system forwarding said

representations to desired destinations within and beyond said system (Applicant's

specification, pages 5, lines 16-17 "both defining itself and its relationships to other objects in

the computer system or network. An object can send and receive messages to and from other

objects").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time

the invention was made to incorporate the method of send / receive message to another object

within system or to the network as taught admitted prior art in corresponding to method of

converting a program of a first architecture to a second architecture as taught in the combination

system by Abe and Bapat. The modification would be obvious because of one of ordinary skill in

the art would be motivated to send / receive message over the network or system when one needs

to get fetch the data as suggested in admitted prior art (Applicant's specification, pages 2 and 3,

lines 23-25 and 1-20, respectively).

Per claims 3, and 7:

Neither Abe nor Bapat explicitly disclose said first computer language is RAID++ and said different computer language is XML/CIM.

However, admitted prior art discloses in an analogous computer system said first computer language is RAID++ (Applicant's specification, pages 4, lines 6-9 "Object-oriented computer language C++... a schema... that derived from or implemented in RAID++") and said different computer language is XML/CIM (Applicant's specification, pages 7, lines 12-13 "the aforementioned XML computer language; and, on top of XML is a new and advantageous schema called Common Information Model (CIM)").

The feature of using the languages would be obvious for the reasons set forth in the rejection of claim 1.

#### Per claim 8:

Neither Abe nor Bapat explicitly disclose said first computer language is a first object-oriented language capable of pictorial representation typically in a parent-child tree configuration and said different computer language is a second object-oriented language capable of pictorial representation typically in a flat database configuration.

However, admitted prior art discloses in an analogous computer system first computer language is a first object-oriented language capable of pictorial representation typically in a parent-child tree configuration (Applicant's specification, pages 6, lines 2-6 "C++ computer language... the relationship between these specific objects in the storage processor is usually visualized or characterized as a "tree" of objects") and said different computer language is a second object-oriented language capable of pictorial representation typically in a flat database

configuration (Applicant's specification, pages 6, lines 17-22 "standard that avoids object trees and arranges all objects in a database where a "flat" relationship is obtained").

The feature of using the object-oriented languages would be obvious for the reasons set forth in the rejection of claim 1.

## Per claim 10:

Neither Abe nor Bapat explicitly disclose said management software is storage management software.

However, admitted prior art discloses in an analogous computer system management software is storage management software (Applicant's specification, pages 7, lines 5-6 "Web technologies to manage enterprise systems such as storage systems").

The feature of storage management software would be obvious for the reasons set forth in the rejection of claim 1.

#### Per claim 11:

Neither Abe nor Bapat explicitly disclose said management software is selected from the group consisting of storage, printer, and server management software.

However, admitted prior art discloses in an analogous computer system management software is selected from the group consisting of storage, printer, server and other-component management software (Applicant's specification, pages 2, lines 15-17 "software which runs on and controls that hardware such as operating systems software and applications software such as peripheral-device management software")

Art Unit: 2124

The feature of storage management software would be obvious for the reasons set forth in the rejection of claim 1.

Page 9

Per claims 12, 52, 57, 58, 59, 62, 75, 76, 81, and 89:

Abe discloses:

- A computer network employing a computer system utilizing management software written in a first computer language compatible with first software architecture and not compatible with second software architecture (col. 1, lines 9-14 "a method and an apparatus for converting a program for a computer of a first architecture to a machine program adapted for a computer of a second architecture").

converts said called public functions and/or data attributes to representations of said called public functions and/or data attributes formed in a different computer language compatible with said second architecture (col. 1, lines 62-63 "convert a program (functions, attributes, data etc.) for a computer of a first architecture" and col. 1, lines 63-64 "to a program (functions, attributes, data etc.) for a computer of a second architecture").

Abe does not explicitly disclose a schema formed within said first architecture; header files contained within said schema, said header files being represented in said first language and capable of being utilized by said management software.

However, admitted prior art discloses in an analogous computer system a schema formed within said first architecture (Applicant's specification, page 4, lines 2-3 "These architectures"

are combinations of software such as schemas, languages and protocols"); header files contained within said schema, said header files being represented in said first language and capable of being utilized by said management software (Applicant's specification, page 4, lines 7-8 "And on top of that computer language is a schema (header-related software...) such as that derived from or implemented in RAID++. RAID++ is an object-oriented representation of a CLARiiON®").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the method of including the header file within the schema of an architecture as taught admitted prior art in corresponding to method of converting a program of a first architecture to a second architecture as taught by Abe. The modification would be obvious because of one of ordinary skill in the art would be motivated to include prior art header files within schema of an architecture to provide less arduous code generation to improve the communication within the corporate as suggested in admitted prior art (Applicant's specification, pages 2 and 3, lines 23-25 and 1-20, respectively).

Neither Abe nor admitted prior art explicitly disclose apparatus for manipulating said header files to locate public functions and/or data attributes of said header files; and, apparatus, responsive to operation of said manipulating apparatus, for emitting code that calls said public functions and/or data attributes in said first language to obtain called public functions and/or data attributes.

However, Bapat discloses in an analogous computer system apparatus for manipulating (col. 3, lines 53-54 "manipulating a representation of the object class... stored... table schema")

said header files (col. 9, lines 1-2 "C++ source and header files are opened") to locate public functions and/or data attributes of said header files (col. 6, lines 28-29 "it is desirable to be able to provide... storage of the attributes of these objects managed by the network management system"); apparatus, responsive to operation of said manipulating means(col. 3, lines 53-54 "manipulating a representation of the object class... stored... table schema"), for emitting code that calls said public functions and/or data attributes in said first language to obtain called public functions and/or data attributes (col. 13, lines 15-16 "Control... passes to... attribute insertion routine is called of each attribute").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the method of manipulating header files as taught by Bapat into the method of converting a program of a first architecture to a second architecture as taught by the combination system of Abe and admitted prior art. The modification would be obvious because of one of ordinary skill in the art would be manipulate the header files for mapping the within the schema of a database as suggested by Bapat (col. 2, lines 6-17).

The limitation regarding the software architecture in the preamble is not given any patentable weight because the body of the claim does not recited any limitation related to software architecture.

Claim 13 is the apparatus claim corresponding to system claim 2 and rejected under the same rational set forth in connection with the rejection of claim 2 above.

Application/Control Number: 09/817,437 Page 12

Art Unit: 2124

Per claims 14, 18, 79, 80, and 84:

Neither Abe nor Bapat explicitly disclose said first computer language is RAID++ and said different computer language is XML/CIM.

However, admitted prior art discloses in an analogous computer system said first computer language is RAID++ (Applicant's specification, pages 4, lines 6-9 "Object-oriented computer language C++... a schema... that derived from or implemented in RAID++") and said different computer language is XML/CIM (Applicant's specification, pages 7, lines 12-13 "the aforementioned XML computer language; and, on top of XML is a new and advantageous schema called Common Information Model (CIM)").

The feature of using the languages would be obvious for the reasons set forth in the rejection of claim 12.

Claim 15 is the apparatus claim corresponding to system claim 4 and rejected under the same rational set forth in connection with the rejection of claim 4 above.

Claims 16, 20 are the apparatus claim corresponding to system claim 5 and rejected under the same rational set forth in connection with the rejection of claim 5 above.

Claim 17 is the apparatus claim corresponding to system claim 6 and rejected under the same rational set forth in connection with the rejection of claim 6 above.

Per claims 19, 78, and 83:

Neither Abe nor Bapat explicitly disclose said first computer language is a first object-oriented language capable of pictorial representation typically in a parent-child tree configuration and said

different computer language is a second object-oriented language capable of pictorial representation typically in a flat database configuration.

However, admitted prior art discloses in an analogous computer system first computer language is a first object-oriented language capable of pictorial representation typically in a parent-child tree configuration (Applicant's specification, pages 6, lines 2-6 "C++ computer language... the relationship between these specific objects in the storage processor is usually visualized or characterized as a "tree" of objects") and said different computer language is a second object-oriented language capable of pictorial representation typically in a flat database configuration (Applicant's specification, pages 6, lines 17-22 "standard that avoids object trees and arranges all objects in a database where a "flat" relationship is obtained").

The feature of using the object-oriented languages would be obvious for the reasons set forth in the rejection of claim 12.

#### Per claims 21, 54, 61, 77, and 87:

The rejection of claim 12 is incorporated, and further, Abe disclose:

- a SAN which communicates with and is controlled by said computer system (col. 5, lines 1-5 "fetched instruction storing section... stores... instructions... fetch section...").

## Per claims 22, 53, 60, 85, and 86:

Neither Abe nor Bapat explicitly disclose said management software is storage management software.

However, admitted prior art discloses in an analogous computer system management software is storage management software (Applicant's specification, pages 7, lines 5-6 "Web technologies to manage enterprise systems such as storage systems").

The feature of storage management software would be obvious for the reasons set forth in the rejection of claim 12.

## Per claims 23, 56, and 88:

Neither Abe nor Bapat explicitly disclose said management software is selected from the group consisting of storage, printer, and server management software.

However, admitted prior art discloses in an analogous computer system management software is selected from the group consisting of storage, printer, server and other-component management software (Applicant's specification, pages 2, lines 15-17 "software which runs on and controls that hardware such as operating systems software and applications software such as peripheral-device management software")

The feature of storage management software would be obvious for the reasons set forth in the rejection of claim 12.

Claims 24-31 are the method claims corresponding to system claims 1-8, respectively, and rejected under the same rational set forth in connection with the rejection of claims 1-8, respectively, above.

Claims 32 and 33 are the method claims corresponding to system claim 5 and rejected under the same rational set forth in connection with the rejection of claim 5 above.

#### Per claims 34 and 82:

The rejection of claim 24 is incorporated, and further, Abe disclose:

- wherein said standardized software architecture is preferred non-legacy architecture (col. 3, lines 1-11 "... machine program... depends on the computer... second architecture... converted... high-level language source program (which does not depend on any

architecture)... programs for computers of different architectures... be produced easily,

or a program for a computer of the first architecture can be easily converted to a program

for a computer of another (the second) architecture").

Claims 35 and 36 are the method claims corresponding to system claims 10-11, respectively, and rejected under the same rational set forth in connection with the rejection of claims 10-11, respectively, above.

Claims 37 and 38 are the computer program product claim corresponding to system claims 1 and 2, respectively, and rejected under the same rational set forth in connection with the rejection of claims 1 and 2, respectively, above.

Claim 39 is the computer program product claim corresponding to system claim 4 and rejected under the same rational set forth in connection with the rejection of claim 4 above.

Claim 40 is the computer program product claim corresponding to system claim 3 and rejected under the same rational set forth in connection with the rejection of claim 3 above.

Art Unit: 2124

Claims 41-44 are the computer program product claim corresponding to system claims 5-8, respectively, and rejected under the same rational set forth in connection with the rejection of

Page 16

claims 5-8, respectively, above.

Claim 45 is the computer program product claim corresponding to system claim 5 and rejected

under the same rational set forth in connection with the rejection of claim 5 above.

Claim 47 is the computer program product claim corresponding to system claim 10 and rejected

under the same rational set forth in connection with the rejection of claim 10 above.

Claim 48 is the computer program product claim corresponding to system claim 11 and rejected

under the same rational set forth in connection with the rejection of claim 11 above.

Claim 49 is the computer program product claim corresponding to system claim 1 and rejected

under the same rational set forth in connection with the rejection of claim 1 above.

Claim 50 is the computer program product claim corresponding to system claim 10 and rejected

under the same rational set forth in connection with the rejection of claim 10 above.

Claim 51 is the computer program product claim corresponding to system claim 11 and rejected

under the same rational set forth in connection with the rejection of claim 11 above.

#### Per claim 55:

The rejection of claim 52 is incorporated, and further, Abe disclose:

- said first architecture is legacy architecture and said second architecture is non-legacy

architecture (col. 3, lines 1-11 "... machine program... depends on the computer... second

architecture... converted... high-level language source program (which does not depend on any

architecture)... programs for computers of different architectures... be produced easily, or a

Application/Control Number: 09/817,437 Page 17

Art Unit: 2124

program for a computer of the first architecture can be easily converted to a program for a computer of another (the second) architecture").

9. Claims 63-74 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 6,086,622 to Abe et al., hereinafter called Abe, in view of admitted prior art.

#### Per claim 63 and 67:

## Abe discloses:

- In a computer system compatible with computer architecture, a computer-readable medium containing management software for controlling at least one processor in said system of perform a method of responding to request, said method (col. 1, lines 9-14 "a method and an apparatus for converting a program for a computer of a first architecture to a machine program adapted for a computer of a second architecture").
- converting said responses to equivalent responses compatible with said first language and for communicating said equivalent responses (col. 1, lines 62-63 "convert a program (functions, attributes, data etc.) for a computer of a first architecture") to the destination from which, or to destinations related to that from which, said first requests originated (col. 1, lines 63-64 "to a program (functions, attributes, data etc.) for a computer of a second architecture").

Abe does not explicitly disclose obtaining responses to said first requests in second language compatible with said computer architecture.

However, admitted prior art discloses in an analogous computer system obtaining responses to said first requests in second language compatible with said computer architecture (Applicant's specification, page 4, lines 2-3 "These architectures are combinations of software such as schemas, languages and protocols"); header files contained within said schema, said header files being represented in said first language and capable of being utilized by said management software (Applicant's specification, page 4, lines 7-8 "And on top of that computer language is a schema (header-related software...) such as that derived from or implemented in RAID++. RAID++ is an object-oriented representation of a CLARiiON®").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the method of including the header file within the schema of an architecture as taught admitted prior art in corresponding to method of converting a program of a first architecture to a second architecture as taught by Abe. The modification would be obvious because of one of ordinary skill in the art would be motivated to include prior art header files within schema of an architecture to provide less arduous code generation to improve the communication within the corporate as suggested in admitted prior art (Applicant's specification, pages 2 and 3, lines 23-25 and 1-20, respectively).

The limitation regarding the software architecture in the preamble is not given any patentable weight because the body of the claim does not recited any limitation related to software architecture.

## Per claim 64:

The rejection of claim 63 is incorporated, and further, Abe disclose:

Art Unit: 2124

- said first architecture is legacy architecture and said second architecture is non-legacy

architecture (col. 3, lines 1-11 "... machine program... depends on the computer...

second architecture... converted... high-level language source program (which does not

Page 19

depend on any architecture)... programs for computers of different architectures... be

produced easily, or a program for a computer of the first architecture can be easily

converted to a program for a computer of another (the second) architecture").

Per claim 65:

The rejection of claim 64 is incorporated, and further, Abe does not explicitly disclose said

management software is storage management software.

However, admitted prior art discloses in an analogous computer system management

software is storage management software (Applicant's specification, pages 7, lines 5-6 "Web

technologies to manage enterprise systems such as storage systems").

The feature of storage management software would be obvious for the reasons set forth in

the rejection of claim 63.

Per claim 66:

The rejection of claim 64 is incorporated, and further, Abe disclose:

- a SAN which communicates with and is controlled by said computer system (col. 5, lines

1-5 "fetched instruction storing section...stores... instructions... fetch section...").

Claim 68 is the computer program product claim corresponding to system claim 63 and rejected under the same rational set forth in connection with the rejection of claim 63 above.

Claim 69 is the computer program product claim corresponding to system claim 64 and rejected under the same rational set forth in connection with the rejection of claim 64 above.

Claim 70 is the method claim corresponding to system claim 63 and rejected under the same rational set forth in connection with the rejection of claim 63 above.

Claim 71 is the method claim corresponding to system claim 64 and rejected under the same rational set forth in connection with the rejection of claim 64 above.

Claim 72 is the method claim corresponding to system claim 62 and rejected under the same rational set forth in connection with the rejection of claim 62 above.

Claim 73, is the method claim corresponding to system claim 21 and rejected under the same rational set forth in connection with the rejection of claim 21 above.

Claim 74 is the method claim corresponding to system claim 11 and rejected under the same rational set forth in connection with the rejection of claim 11 above.

## Response to Arguments

10. Applicant's arguments with respect to claim 1 have been considered but they are not persuasive.

In the remarks, the applicant has argued that:

- Abe does not disclose or suggest for each of independent claims 1, 12, 24, 37, 49, 52, 59, and 63 a system employing "management software".
- Abe does not teach or suggest software architecture as recited in claim 1.

Application/Control Number: 09/817,437 Page 21

Art Unit: 2124

- Office action reflects improper hindsight reasoning, ignores the clear lack of motivation in the references.

## Examiner's response:

- Regarding management software, Abe system does provide a converting program for a
  computer of a first architecture to a machine program for a computer of second
  architecture whereas converting architecture of a program could be management software
  or program (col. 2, lines 32-45). Therefore, the rejection is proper and maintained herein.
- The limitation regarding the software architecture in the preamble is not given any patentable weight because the body of the claim does not recited any limitation related to software architecture.
- In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971). It is noted that the rejection clearly points out where the combination of Abe, admitted prior art, and Bapat teach the claimed features and why it would have been obvious to combine their teachings. Specifically, the rejection points out that the motivation to "a schema formed within the first architecture" or "header files contained within the schema" would be to

Art Unit: 2124

provide less code generation to improve the communication within the corporate.

Applicant only makes general allegations of improper hindsight reasoning and does not

point out any errors in the rejection. Therefore, the rejection is proper and maintained

herein.

Conclusion

1. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Satish S. Rampuria Patent Examiner Art Unit 2124 11/15/2004 KAKALI CHANI SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100

Page 22